

PROJECT NO.	SHEET NO.	TOTAL NO.
12CR.10491.5,	<u>,</u>	0
12CR.20491.5		8

SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LENGTH OF		WIDTH	INCIDENTAL	1		INCIDENTAL			LEVELING	1	PATCHING	ADJUST	METER OR	
					,	EACH TYPICAL	OF PROJECT		STONE BASE	RECON- STRUCTION	MILLING	MILLING	COURSE, B25.0B	COURSE, S9.5B	COURSE, S9.5B	PLANT MIX	EXISTING PAVEMENT	MANHOLES	VALVE BOX	LIGHTING
NO		NO			NO	MI	MI	FT	TONS	SMI	SY	SY	TONS	TONS	TONS	TONS	TONS	-		
NO		NO			NO	. 13 1411	IVII	Г	I UNS	SIVII	31	31	TUNS	TONS	IONS	TONS	IONS	EA	EA	Lump Sum
	,			FROM MOORESVILLE CITY LIMITS	6	0.35	1 4 4	VAR 24-45		20 044 2 de					At a great				1	Autoport
12CR.10491.5	Iredell	1	NC 3	TO CABARRUS COUNTY LINE	1	4.65	5	24	700	9.65	188	lan Ali d	age of the	6,939	654	456	654			
				FROM HARTNESS RD. TO WATER	1.1	, H							1	1	A A COLO	Stages etc				PARK S
		2	NC 115	in equation is ST in the second	2	0.98	0.98	VAR 35-60	111	20 14 1 2 XX	21,000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.40 pt	2,307	231	153	231	15	8	LS
		: 1		FROM 590' NORTH OF SR 1929					2 1		g Francisco (Habit							The second secon		
		3	NC 115	(SCOTT CREEK RD) TO SR 1908	1	3.44	3.44	24		6.88		J2518141 12	452 Y 13	4,499	225	285	449			
				FROM SR 1006 (ISLAND FORD RD)						7 75 E 191		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Fai 4 (1)	in the sixth of		No.	1.45	
				TO 0.64 MILES WEST (END OF	7	0.57		65		F1 + E3 - 155.				*						
		4	US 64	MEDIAN ON US 64)	8	0.07	0.64	VAR 42-65		0.14		30 10 45 B 14		2,215	221	147	221	5	5	LS
		5	NC 150	FROM NC 152 TO NC 115	5	1.29	1.29	62						4.344	434	287	434	.: .: '3' '3'	Q	LS .
TO	TAL FOR		NO. 12CR.10491.5	1 KOM NO 102 TO NO 110		1.25	11.35	NOW YOUR	700	16.67	21,000			20,304	1,765	1,328	1,989	23	21	LS
				kata alian kanan ka Kanan kanan ka	l		1						<u> </u>	20,00	1,,,,,,	1,020	1,000			:
					3	0.47	I	20	· · · · · · · · · · · · · · · · · · ·		1 N	14 §	T				J	3 - 1 - 1	[::	a jest si
12CR.20491.5	Iredell	6	SR 1196 (GIBBS COVE)	FROM SR 1100 TO SR 3090	5	0.34	0.81	24	20	1 13 15 75 1	Control of the		Januari meta	957	95	64	95		1.1000	(misatewity) (in
				FROM NC 150 TO 0.56 MILES	5	0.32	1 1	VAR 42-60			1	10 10 17	4. 1.	-		1000	1 j		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
		. 7	SR 1109 (WILLIAMSON RD)	SOUTH OF NC 150	9	0.24	0.56	VAR 42-60	50	\$ 5 1 × 3 × 3	1 10/			1,587	238	111	158	5	f 1, 150- 1 8 ()	LS
		8	SR 2399 (WIGGINS RD)	FROM NC 150 TO NC 801	3	3.1	3.1	20	360		12 m. 2 - 11			3,968	1,600	334	720			
		9	SR 2171 (JANE SOWERS RD)	FROM US 21 TO SR 2158	3	2.86	2.86	22	96	e de la companya de l		490	2 8 1	4,027	403	266	366	i Romania	n in hygette die	
		10	SR 2174 (CRAWFORD RD)	FROM 2437 TO SR2171	3	1.7	1.7	22	24	-				2,394	110	151	218	3		7 - 1
		11	SR 2437 (WILSON PARK)	FROM SR 2158 TO SR 2174	3	0.5	0.5	24		·				704	35	45	64	2.	2	
			SR 1006 (ISLAND FORD RD)	FROM SR 1005 TO SR 1502	4	3.54	3.54	22	125	7.08		880	1,574	4,270	427	350	427			
TO	OTAL FOR	PROJ	NO. 12CR.20491.5			A. 1000.	13.07		675	7.08		1,370	1,574	17,907	2,908	1,321	2,048	7	3	LS
		DAND	TOTAL		Т	·····	24.40	1	4075	00.75	04.000	4 070	4 574	00.046	4.070		1 4 00=		T	
L		KANU	TOTAL				24.42		1375	23.75	21,000	1,370	1,574	38,211	4,673	2,649	4,037	30	24	LS

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12CR.10491.5,	,	0
12CR.20491.5	6	8

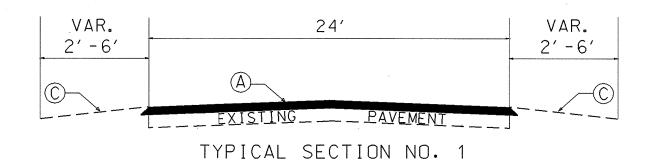
THERMOPLASTIC AND PAINT QUANTITIES

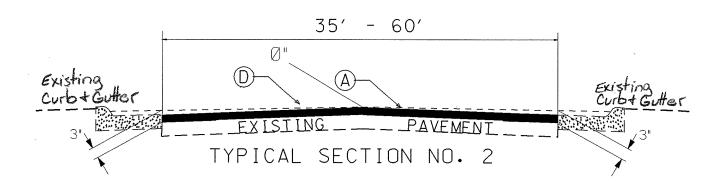
PROJECT C	COUNTY	l l		1													
		IMAPI	ROUTE	DESCRIPTION	4685000000-E 4" X 90 M	468600 4" X 120 M			4721000000-E	THERMO	THERMO	00000-E THERMO	THERMO		000000-E 4" YELLOW		4905000000-N SNOW
					WHITE	YELLOW	WHITE	WHITE	MSG SCHOOL		RT	LT STR RT		PAINT	PAINT	YELLOW	PLOWABLE
					THERMO	THERMO	THERMO	THERMO	120 M	90 M	ARROW		ARROW 90		PAINI	MARKERS	MARKERS
									1 .25	55	90 M	90 M	M			MARKERO	WARKERS
NO		NO			LF	LF -	LF	LF	EA	EA	EA	EA	ËA	LF	LF	EA	EA
			· ·														
			•	FROM MOORESVILLE CITY LIMITS	1												
12CR.10491.5	Iredell	1	NC 3	TO CABARRUS COUNTY LINE	53,800	33,000				13	4						350
				FROM HARTNESS RD. TO WATER													
		2	NC 115	ST		10,580	3,145	160	12	14	10	10		1,573	5,290		225
			NO 445	FROM 590' NORTH OF SR 1929	07.044												
 	,	3	NC 115	(SCOTT CREEK RD) TO SR 1908	37,014	22,704											250
				FROM SR 1006 (ISLAND FORD RD) TO 0.64 MILES WEST (END OF											,		
			US 64	MEDIAN ON US 64)	1,300	4,224	1,700	450		4.5							
		-	03 04	MEDIAN ON 03 64)	1,300	4,224	1,700	150	<u> </u>	15		8	8				180
		5	NC 150	FROM NC 152 TO NC 115		8,514	6,810	144		50	2	9	9	2 400	4.050	İ	070
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	92,114	79,022	11,655	454	12	92	16	27	17	3,400 4,973	4,250 9,540		370
TOT	TAL FOR	PROJ	NO. 12CR.10491.5		32,114	90,6		434	12	32		52	17		1,513		1,375
					L									1	7,010	<u> </u>	
						T T				T						I	
12CR.20491.5	Iredell	6	SR 1196 (GIBBS COVE)	FROM SR 1100 TO SR 3090			•							9,926	10,692	,	
				FROM NC 150 TO 0.56 MILES													
		7	SR 1109 (WILLIAMS RD)	SOUTH OF NC 150	6,026	3,696		96		27	13	7	2				
		8	SR 2399 (WIGGINS RD)	FROM NC 150 TO NC 801									***************************************	66,712	40,920		
		١ ,	CD 0474 / IANIE 00\A/EDO DD\	EDOM HO OF TO OR OFF]							٠				
 		9	SR 2171 (JANE SOWERS RD)	FROM US 21 TO SR 2158			······································	,	<u> </u>					61,548	37,752		
		10	SR 2174 (CRAWFORD RD)	FROM 2437 TO SR2171										00.504	00.446		
		10	SK 2174 (SKAVIPORD RD)	1 KOW 2437 10 SK2171					 	ļ				36,584	22,440		
1		11	SR 2437 (WILSON PARK)	FROM SR 2158 TO SR 2174										21,520	13,200		
														21,020	13,200		-
1		12	SR 1006 (ISLAND FORD RD)	FROM SR 1005 TO SR 1502										76,180	46,728	250	
TO	TAL FOR	DPO!	NO. 12CR.20491.5		6,026	3,696		96		27	13	7	2	272,470	171,732	250	
	IALFOR	LKOJ	- NO. 12CN.20431.3			3,6	96					49			4,202		
																L	
1	G	RAND	TOTAL		98,140	82,718	11,655	550	12	119	29	34	19	277,443	181,272	250	1,375
<u> </u>						94,3	373		201				45	8,715			

	PAVEMENT SCHEDULE
Α	PROP. APPROX. $1\frac{1}{2}$ " ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
В	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
С	SHOULDER RECONSTRUCTION
D	MILL ASPHALT PAVEMENT APPROX. 0" - 3" AS DIRECTED BY ENGINEER

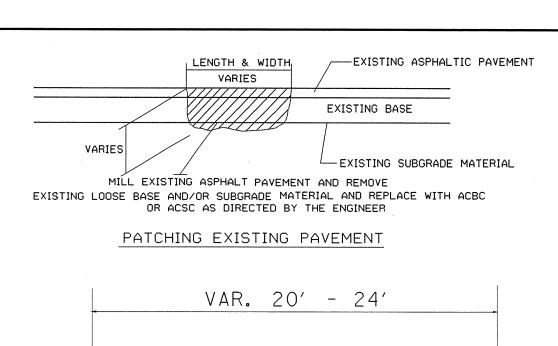
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

MILL BRIDGE APPROACHES 100' TO PROVIDE A SMOOTH TRANSITION AS DIRECTED.



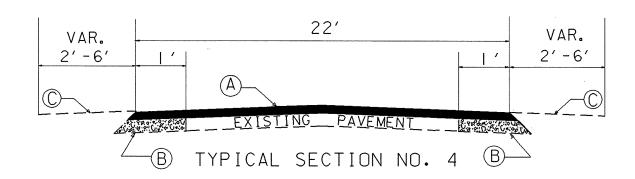


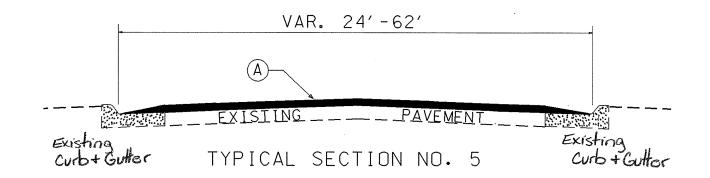
12CR.10491.5 12CR.20491.5



TYPICAL SECTION NO. 3

EXISTING ___ PAVEMENT

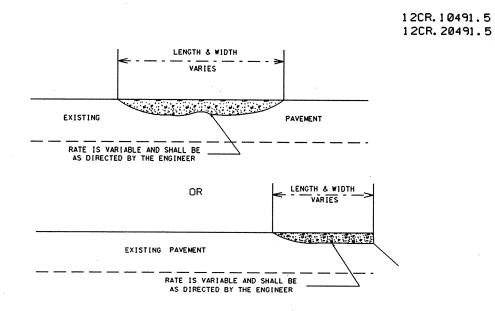




	PAVEMENT SCHEDULE
A	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
В	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
С	SHOULDER RECONSTRUCTION
D	MILL ASPHALT PAVEMENT APPROX. 0" - 3" AS DIRECTED BY ENGINEER

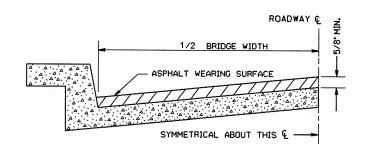
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

MILL BRIDGE APPROACHES 100' TO PROVIDE A SMOOTH TRANSITION AS DIRECTED.



ASPHALT CONCRETE SURFACE COURSE

TYPE S9.5B. (LEVELING COURSE)



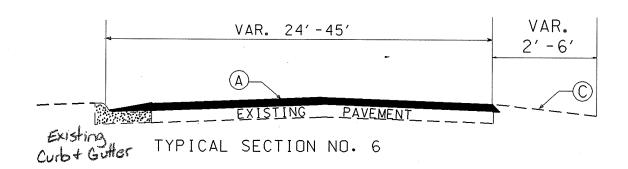
BRIDGE HALF TYPICAL SECTION

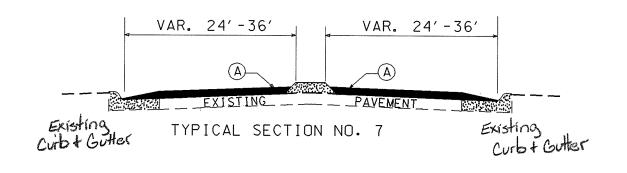
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

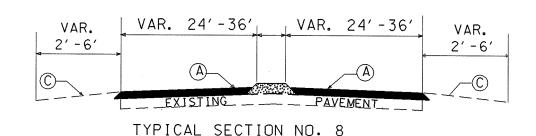
THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8' SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

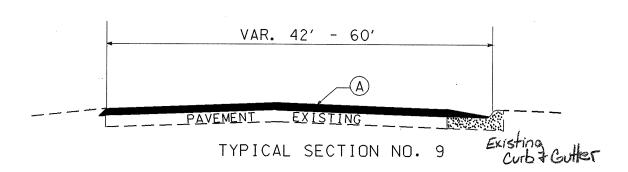
NOTES

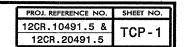
ALL UNPAYED S.R. ROADS TO BE SURFACED 50' FROM EDGE OF PAYEMENT OF MAIN PROJECT.
ALL PAYED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
EDGES, PAYEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES, SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE NOTED.
BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.











TRANSPORTATION

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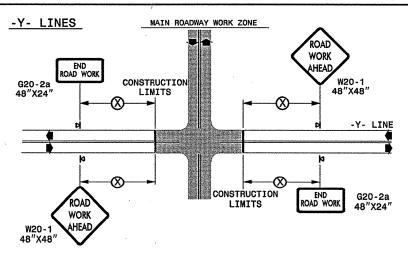
ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)

END

ROAD WORK

G20-2a

TWO-WAY UNDIVIDED ** (L-LINES)



GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.

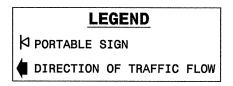
END

ROAD WORK

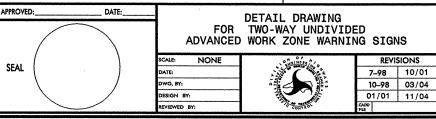
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.

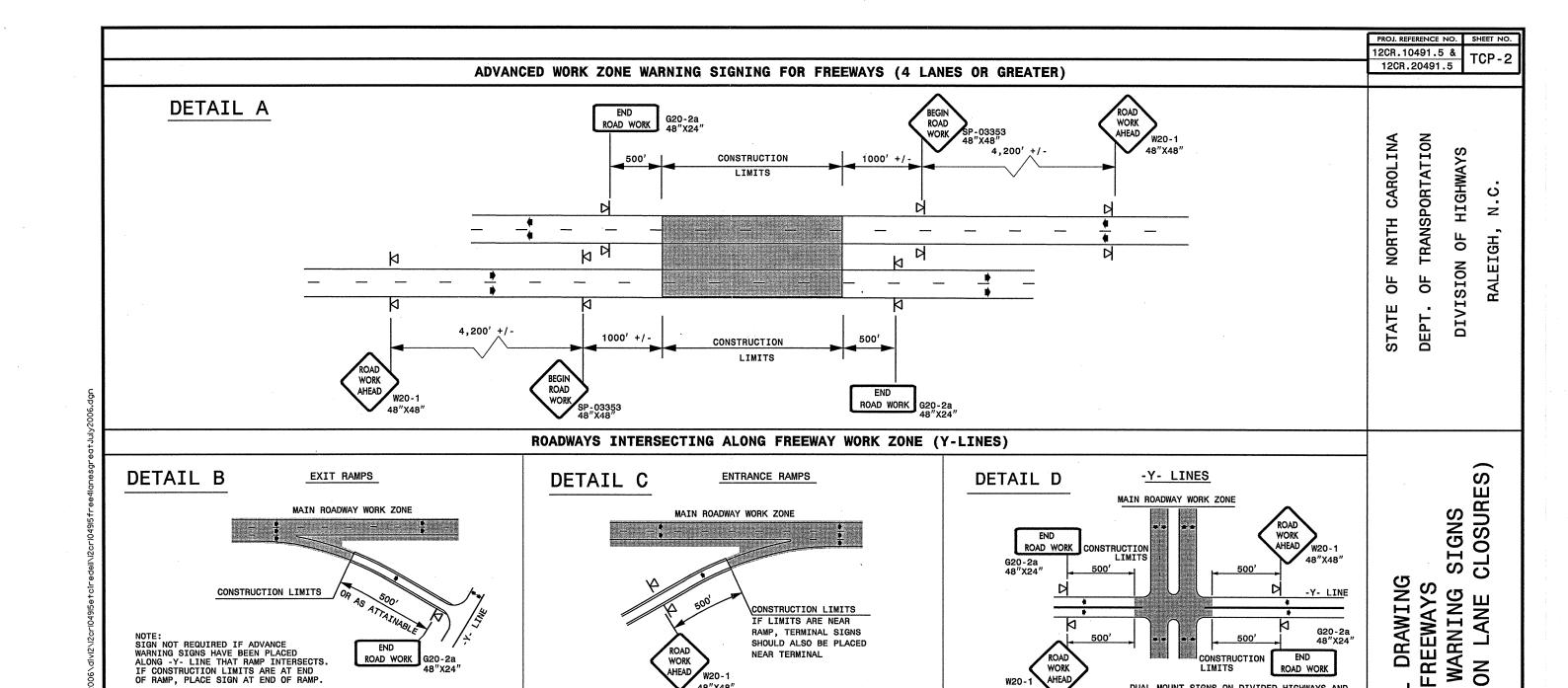
-CONSTRUCTION LIMITS-

- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.



SHEET 1 OF 1



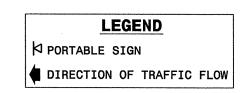


GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.

OF RAMP, PLACE SIGN AT END OF RAMP.

- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.



DUAL MOUNT SIGNS ON DIVIDED HIGHWAYS AND INCREASE SIGN SPACING TO 1000'+/-.

AHEAD

W20-1

48"X48'

SHEET 1 OF 1

-DURATI

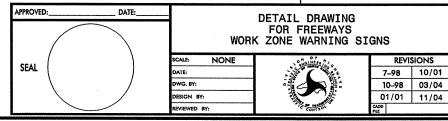
SHORT

ZONE

WORK

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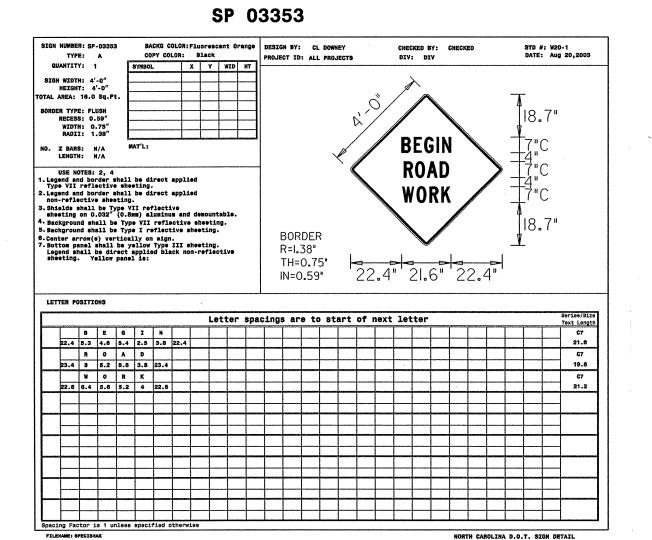
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CAROLINA TRANSPORTATION S HIGHWAY NORTH Ō SION OF 0F STATE \vdash \sum DEPT

ING FOR SIGNS WORK DRAWING ZONE SIG WORK BEGIN DETAIL

					SHEET	1 OF	1			
APPROVED:	DATE:			CED WOR	IL DRAWING FOR WORK ZONE WARNING IGN DESIGNS					
		SCALE:	NONE	,,	HOINES A	REVI	SIONS			
SEAL	- 1	DATE:	08/03	1	1	04/04				
		DWG, BY:				11/04				
		DESIGN BY:								
		REVIEWED	BY:	1 "	CONTROL	CADD				



GENERAL NOTES FOR SIGN SP-03353 "BEGIN ROAD WORK"

-SIGN SP-03353 "BEGIN ROAD WORK" ONLY APPLIES TO FULL CONTROL AND PARTIAL CONTROL OF ACCESS ROADWAYS -WHEN USED, INSTALL SIGN SP-03353 "BEGIN ROAD WORK" ACCORDING TO DETAIL FOR FREEWAY WORK ZONE SIGNS